

The Once and Future Universe

With otherworldly eyes, the joint Smithsonian-University of Arizona Multiple Mirror Telescope (MMT) looks out from atop Mount Hopkins near Tucson. The telescope's six

72-inch mirrors, with resolving power equivalent to a single 272-inch mirror, were designed to be integrated by lasers. But moths fluttering on the evening breeze interrupted the beams. Now the images of cosmic objects are coordinated by a video system. The MMT is particularly suited to examine quasars, using their ancient light to probe the most distant margins of space and time.

Conceptual Value

ELEMENT	VALUE
Visual Probing	,
- Science	,
- Exploration	,
- Space	,

Analytical Value

Value Element

Telescope 1

multiple mirrors 1

Lasers 1

Lasars 1

TASKING SHEET

SOURCE NO: _____

DATE: 4 JAN 93

SUSPENSE: 5 JAN 93

1600 hrs

1. PROJECT NUMBER: 93-143-P

2. METHOD/TECHNIQUE: Method of choice.

3. BACKGROUND: _____

----The following task is part of a document-access series.

----The target is drawn from a variety of printed material that describe people, places, activities or things.

----The target consists of printed material only.

----The target focuses substantially on a single thematic issue.

4. ESSENTIAL ELEMENTS OF INFORMATION: _____

----Access and describe the substantial nature of the printed material.

----Identify the specific theme, aspect, etc.

----Provide any phonetics that are pertinent to the material.

----Submit sketches in support of your findings.

5. COMMENTS: _____

----Optional Coordinates: 558227/322558.

----Key words in the document will be underlined in red.

— NO BEACON PERSON FOR THIS TARGET

PROJECT NO. 93-143-PEVALUATION RECORDSPROFICIENCY PROJECTS

SOURCE	EVALUATION CATEGORIES (For Key elements)	PROFICIENCY COORDINATOR (DTI-S)	ANALYSIS SPECIALIST (DTI-S)	OUTSIDE REVIEWER ()	AVERAGE RATING
025	a. Concept/Generic ----- b. Analytic labeling	5 ----- 0	-----	-----	-----
049	a. Concept/Generic ----- b. Analytic labeling	15 ----- 0	-----	-----	-----
079	a. Concept/Generic ----- b. Analytic labeling	40 ----- 20	-----	-----	-----
	a. Concept/Generic ----- b. Analytic labeling	-----	-----	-----	-----
	a. Concept/Generic ----- b. Analytic labeling	-----	-----	-----	-----
	a. Concept/Generic ----- b. Analytic labeling	-----	-----	-----	-----
	a. Concept/Generic ----- b. Analytic labeling	-----	-----	-----	-----
CONTROL	a. Concept/Generic ----- b. Analytic labeling	-----	-----	-----	-----
CONTROL 101	a. Concept/Generic ----- b. Analytic labeling	-----	-----	-----	-----